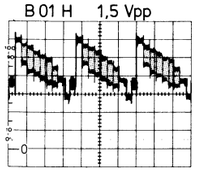
HITACHI CST2866PS

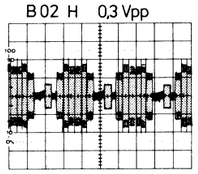
MODEL

SERVICE MANUAL

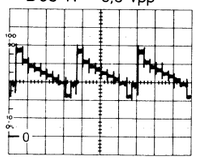
B 01 H 1,5 Vpp



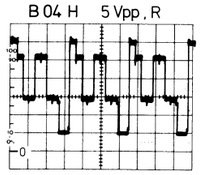
B 02 H 0,3 Vpp



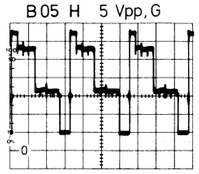
B 03 H 0,5 Vpp



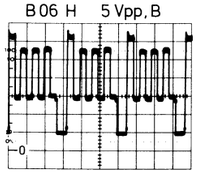
B 04 H 5 Vpp, R



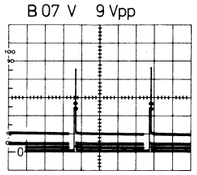
B 05 H 5 Vpp, G



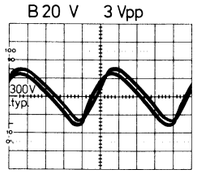
B 06 H 5 Vpp, B



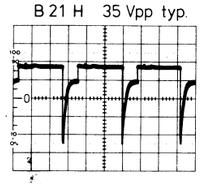
B 07 V 9 Vpp



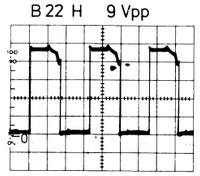
B 20 V 3 Vpp



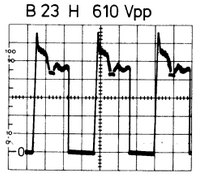
B 21 H 35 Vpp typ.



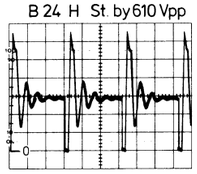
B 22 H 9 Vpp



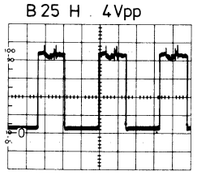
B 23 H 610 Vpp



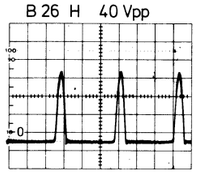
B 24 H St. by 610 Vpp



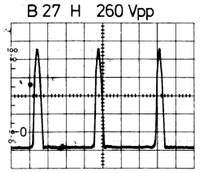
B 25 H 4 Vpp



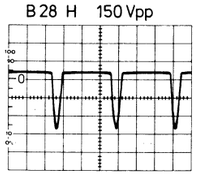
B 26 H 40 Vpp



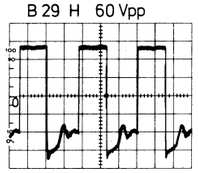
B 27 H 260 Vpp



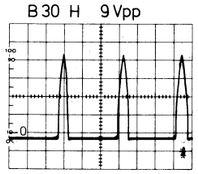
B 28 H 150 Vpp



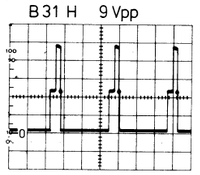
B 29 H 60 Vpp



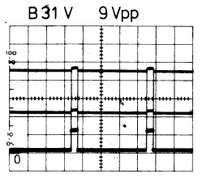
B 30 H 9 Vpp



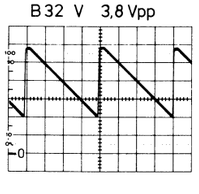
B 31 H 9 Vpp



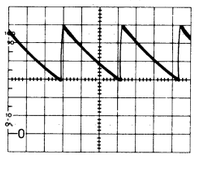
B 31 V 9 Vpp



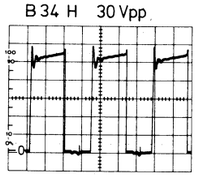
B 32 V 3,8 Vpp



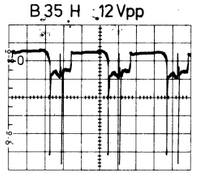
B 33 H 3 Vpp



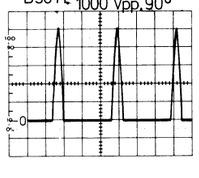
B 34 H 30 Vpp



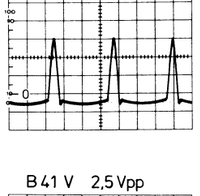
B 35 H 12 Vpp



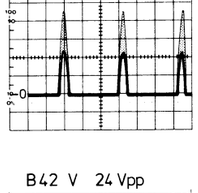
B 36 H 1200 Vpp, 110°
1000 Vpp, 90°



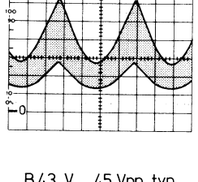
B 37 H 170 Vpp typ., 90°



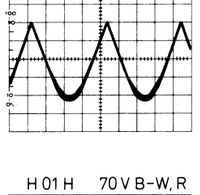
B 37 H 230 Vpp typ., 110°



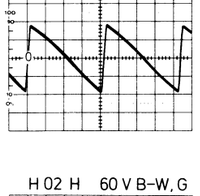
B 38 V 25 Vpp



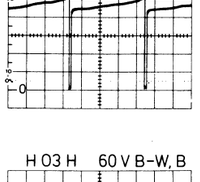
B 39 V 4 Vpp



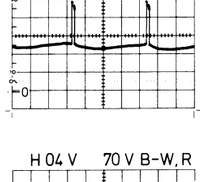
B 40 V 0,7 Vpp



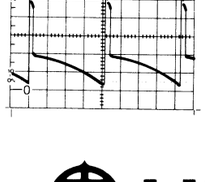
B 41 V 2,5 Vpp



B 42 V 24 Vpp

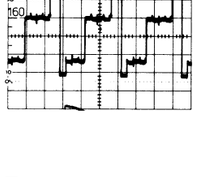


B 43 V 45 Vpp typ.

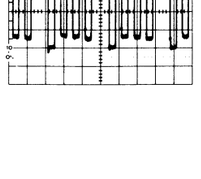


H 01 H 70 V B-W, R

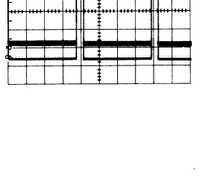
H 02 H 60 V B-W, G



H 03 H 60 V B-W, B

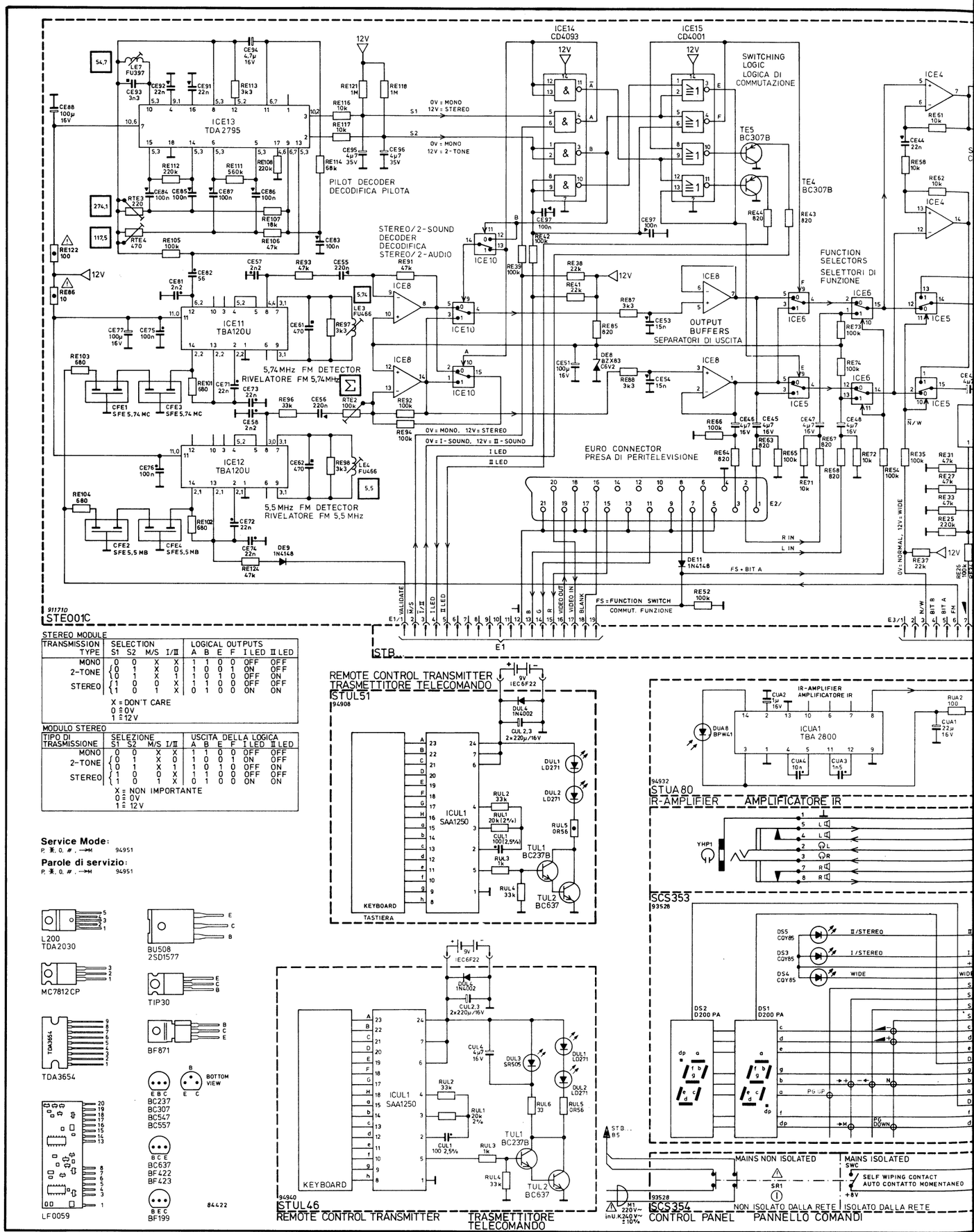


H 04 V 70 V B-W, R



HITACHI

ZB8292 02.87 90199C, 90232



STEREO MODULE

TRANSMISSION TYPE	SELECTION S1	S2	M/S	I/II	LOGICAL OUTPUTS A	B	E	F	I LED	II LED
MONO	0	0	X	X	1	1	0	0	OFF	OFF
2-TONE	0	1	X	0	1	0	0	1	ON	OFF
	0	1	X	1	1	0	1	0	OFF	ON
STEREO	1	0	X	X	1	1	0	0	OFF	OFF
	1	0	1	X	0	1	0	0	ON	ON

X = DON'T CARE
0 ≙ 0V
1 ≙ 12V

MODULO STEREO

TIPO DI TRASMISSIONE	SELEZIONE S1	S2	M/S	I/II	USCITA DELLA LOGICA A	B	E	F	I LED	II LED
MONO	0	0	X	X	1	1	0	0	OFF	OFF
2-TONE	0	1	X	0	1	0	0	1	ON	OFF
	0	1	X	1	1	0	1	0	OFF	ON
STEREO	1	0	0	X	1	1	0	0	OFF	OFF
	1	0	1	X	0	1	0	0	ON	ON

X = NON IMPORTANTE
0 ≙ 0V
1 ≙ 12V

Service Mode:
P, ✱, 0, #, →M 94951

Parole di servizio:
P, ✱, 0, #, →M 94951

ICE15
CD4001
12V
SWITCHING LOGIC
LOGICA DI COMMUTAZIONE
TE5 BC307B
TE4 BC307B
RE44 820
RE43 820
CE97 100n
FUNCTION SELECTORS
SELETTORI DI FUNZIONE
OUTPUT BUFFERS
SEPARATORI DI USCITA
CE53 15n
CE54 15n
NECTOR
PERITELEVISIONE
RE66 100k
RE64 820
RE63 820
RE65 100k
RE71 10k
RE67 820
RE68 820
RE72 10k
RE54 100k
CE45 4µ7 16V
CE46 4µ7 16V
CE47 4µ7 16V
CE48 4µ7 16V
DE11 1N4148
FS • BIT A
R IN
L IN
E2/
RE52 100k
ION SWITCH
UT. FUNZIONE
ICE4
ICE5
ICE6
ICE8
ICE10
SUPERSOUND CIRCUIT
CIRCITO SUPERSOUD
ICE4 = TL084
ICE5 = CD4053
ICE6 = CD4053
ICE8 = TL084
ICE10 = CD4053
CE43 22n
RE55 22k
RE57 22k
RE53 22k
RE61 10k
CE44 22n
RE58 10k
RE62 10k
CE41 4µ7/16V
CE42 4µ7/16V
TONE CONTROL
CONTROLLO TONI
ICE3
TDA1524A
RE35 100k
RE31 47k
RE37 47k
RE33 47k
RE25 220k
RE37 22k
CE28 100n
CE27 100n
CE26 100n
CE25 100n
CE34 47n
CE37 100n
CE40 1m/16V
CE32 15n
CE33 47n
CE31 15n
CE38 100µ 16V
RE21 1M
RE115 10
DE10 1N4002
BLEEP
W/W
BIT B
BIT A
FM
0V = NORMAL, 12V = WIDE
12V
28V
12,5V
E3/
E2
CE5 100n
RE9 1R2
CE3 1m/25V
CE13 4µ7/35V
RE5 3k3
RE3 68k
ICE1
TDA2030
DE3 1N4002
DE1 1N4002
CE15 470
CE11 100n
DE5 1N4148
RE7 18k
CE17 220n
RE23 100k
CE8 4µ7/35V
RE13 10k
RE11 3k3
28V
CE9 10µ
RE14 47
DE7 1N4148
RE8 18k
DE6 1N4148
DE16 13V
CE16 470
12,5V
CE18 220n
RE24 100k
CE12 100n
DE4 1N4002
DE2 1N4002
CE4 1m/25V
ICE2
TDA2030
CE14 4µ7/35V
RE6 3k3
RE4 68k
CE6 100n
RE10 1R2
POWER AMPLIFIERS
AMPLIFICATORI FINALI
RE2 220
RE1 220
E9/
E5/
E4/
E7/
CE2 10n
CE1 10n
RE22 8,20k
CE7 100n
CE10 4n7
RE20 22
L
R
ICC20
LM339
5V AFC1
5V AFC2
AFC
RC24 120k
CC30 100n
RC25 27k
RC21 15k
RC22 22k
RC26 10k
RC27 10k
RC20 22k
5V
8,5V
6V
8V
5V
NV-MEMORY
MEMORIA NV
ICC100
MDA2061
RESET
CLOCK
IDENT
DATA
OSC — 4096
TC53
BC307B
RC57 220
DC101 1N4148
DC102 1N4148
RC100 10k
RC288 820
CC18 22n
DC100 1N4148
20V
Vp
CC24 100n
CC16 100n
19V
CC27 10µ 16V
CC15 100n
RC23 10k
DC3 6V8
DC8 1N4148
CC250 330n
RC252 2k2
RC29 4k7
RC28 4k7
RC232 RC233 RC234 RC235 RC236 RC237 RC238 7* 3k9
CC28 100µ
CC134 100n
RC200 680
RC202 680
CC218 10µ/16V
RC218 100k
DC218 1N4148
12,5 V
DC11
TC220
BC237B
DC10 2x1N4148
RC221 100
RC222 22k
SWC
CC220 10µ 16V
RC223 100k
CC221 100n
IR INPUT
ON/OFF 0,2V
M/S 11V
I/II 0,1V
OSC— 4096
RC265 100
RC266 100
AFC1
AFC2
BLEEP
RC210 10k
CC210 10n
RC216 120k
RC290 120
CC10 10µ 16V
CC12 100n
DC278 5V1
ST BY 5V
ST.BY
CC50 1n
PLL— INPUT
1,8V
RC208 4k7
5V
BUS & D/A CONVERTER
CONVERSIONE BUS & D/A
ICC230
MEA2050
DATA
IDENT
CLOCK
RESET
OSC
XTC50 4MHz
CC52 4p7
8,5V
CC2 220µ 16V
CC5 22n
RC2 39 2W
RC180 2k2
4,0V
CC3 220µ 16V
CC4 100n
DC4 3V9 1,4W
RC283 2k7
TC281
BC307B
RC280 2k7
TC280
BC307B
CC287 1n5
CC286 1n5
CC285 1n5
CC284 1n5
RC272 120
RC273 120
RC274 120
RC280 4n7
RC276 120
RC271 120
RC270 120
CC281 4n7
RC275 120
RC277 120
DC274 1N4148
DC275 1N4148
DC277 1N4148
RC213 1k
TC210
BC237B
RC214 100k
ICC200
MAA4002-3
TCU
TUNING & CONTROL UNIT
SINTONIZZAZIONE & REGOLAZIONE
RC51 47k
CC6 22n
RC52 2k2
DC51 5V1
RC53 1k
DC50 8V2
RC8 470
CC53 1µ 16V
RC56 100
TC50 BC237B
TC51 BC237B
RC54 470
RC203 10k
RC204 10k
RC206 1k
RC205 1k
RC207 4k7
TC200 BC237B
CC200 10n
TUNER INTERFACE
INTERFACCIA SINTONIZZATORE
BIT A 3V
BIT B 3V
N/W 0,1V
B2
B1
CC21 10µ 35V
CC20 22n
RC71 4k7
LC2 FJ0421
LC4 FJ0421
LC3 FJ0421
LC1 FJ0421
ICC70
MEA2901
DC2 30V
CC23 22n
CC22 22µ 40V
RC3 10k 2W
CC14 22n
CC13 100µ 16V
CC71 2x2 35V
CC70 470n
RC70 2k2
17V
100V
12,5V
HUE
CLOCK
IDENT
DATA
8,5V
25V
ST.BY
SWC
IR INPUT
M/S
I / II
I LED
II LED
VALT. DATE
AFC
RESET
BLEEP
BIT A
BIT B
BIT C
N/W
C3
C2
C1
C4/
STB...
IR-AMPLIFIER
AMPLIFICATORE IR
CUA2 1µ 16V
RUA2 100
CUA1 22µ 16V
CUA4 10n
CUA3 1n5
DUA8 BPW41
ICUA1 TBA 2800
IR
STC...
94932
STUA80
IR-AMPLIFIER AMPLIFICATORE IR
CS2 1µ 16V
RS2 100
CS1 22µ 16V
CS4 10n
CS3 1n5
DUS8 BPW41
ICS1 TBA 2800
HPS1
YHP1
STE...
S1/
TUNER PRESCALER
ZINTONIZZATORE
LC5 FJ0421
C6/
CC9 22n
C5/
SCS353
93528
DS5 CQY85 II/STEREO
DS3 CQY85 I/STEREO
DS4 CQY85 WIDE
II LED
I LED
WIDE LED
+12,5V
S3
S2
S1
S0
c
d
e
D1
g
b
a
D2
f
dp
DS2 D200 PA
DS1 D200 PA
PG UP
PG DOWN
DSZ5 TIL211 II/STEREO green
DSZ3 TIL211 I/STEREO green
DSZ4 CQY85 WIDE red
DSZ2 D200PA
DSZ1 D200PA
MAINS NON ISOLATED
MAINS ISOLATED
SWC
SELF WIPING CONTACT
AUTO CONTATTO MOMENTANEO
SR1
SS1
+8V
93528
ISCS354
NON ISOLATO DALLA RETE
ISOLATO DALLA RETE
CONTROL PANEL
PANNELLO COMANDI
STB...
B5
93472A
SCS340
220V~ ±10%
240V~ ±10%
91200A
STC117
FREQ. SYNTH. WITH REMOTE CONTROL
MOD. SINTESI DI FREQUENCA CON TELECOMANDO

STC... =FREQ.SYNTH. WITH REMOTE CONTROL/
MOD. SINTESI DI FREQUENZA CON TELECOMANDO
STE... =AUDIO MODULE/MODULO AUDIO
STEJ... =AM-MODULE OR FM-RADIO INTERFACE/
MODULO AM OPPURE INTERFACCIA RADIO-FM
STEX... =FM-MULTINORM MODULE/MODULO FM-MULTINORM
STF... =SECAM TRANSCODER MODULE/DECODIFICA SECAM
STFS... =NTSC-MODULE/MODULO NTSC
STG... =TELETEXT MODULE/MODULO TELEVIDEO
STGS... =VIDEOTEX INTERFACE/MODULO VIDEOTEL
STNS... =SATELLITE INTERFACE/INTERFACCIA SATELLITE

VIDEO AND SOUND IF MODULE MODULO MF
STD131B
92294

NTSC FILTERS AND L-NORM SWITCHING ACCESSORIES
PREDISPOSIZIONE PER FILTRI NTSC E COMMUTAZIONE L-NORM

MAINS ISOLATED
ISOLATO DALLA RETE
MAINS NON ISOLATED
NON ISOLATO DALLA RETE

STB151G (90°) STB161 (90°)
STB153E (110°) STB166 (110°)
MOTHER BOARD B TELAIO BASE B

NB. Safety components marked with ⚠ must be replaced with original or approved components only. All printed boards and the back cover are also safety components.

NOTA: I componenti contrassegnati con ⚠ devono essere sostituiti con componenti originali.

The manufacturer reserves the right to change the design and specification without prior notice or warning.

La fabbrica si riserva il diritto di apportare modifche all schema e alle specificazioni senza dare alcun preavviso.

	Ceram.	Polypropylen	Polyester Polycarb.
	≧ 63 V	≧ 63 V	100 V
1/4 W	160 V	160 V	160 V
1/2 W	250 V	250 V	250 V
1 W	500 V	500 V	400 V
2 W	1,5 kV	1,5 kV	1,5 kV

M = Metal film resistor
M = Resistenza metallico
= Take off jumper
= Ponticelli da togliere
= Insert jumper
= Ponticelli da aggiungere
* = From original source only
* = Originali forniti da fabbricante

94951

90199 C

SECAM TRANSCODER MODULE STF...
DECODIFICA SECAM STF...

STG...

STFS...

STGS...

ICB200
TDA3562A

ICB500
TDA2579

ICB501
TDA3654

STH150B(21"Minineck), STH153D(21"), STH152C(24", 28")
RGB-OUTPUT AND TUBE BIAS PANEL ZOCCOLO CINESCOPIO

21"= A51 JAR00X01
A51 EAL00X01
21"= A51 JAR00X01
A51 EAL00X01
A51 JFC01X03
24"= A59 EAK00X01
28"= A66 EAK00X01

ASSEMBLIES OF VERT. AND HOR. YOKES
COLLEGAMENTI DEL GIOGO DI DEFLESSIONE

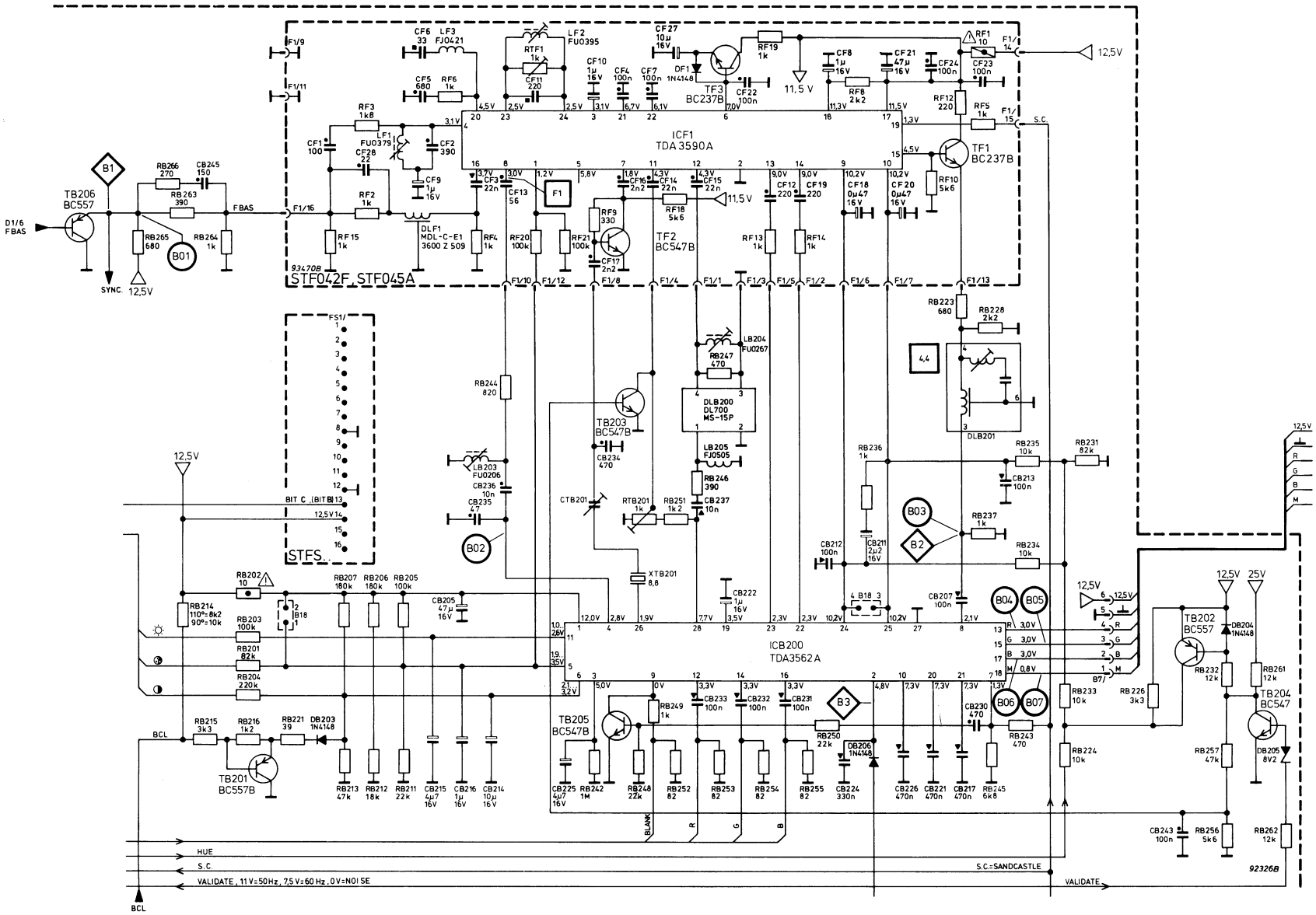
21"= A51JFC01X03
21"= A51JAR00X01 (MININECK)
21"= A51EAL00X01
24"= A59EAK00X01
28"= A66EAK00X01

FOR TUBES OF 110° PER TUBI A 110°

FOR TUBES OF 90° PER TUBI A 90°

ZB8292 02.87 90199C, 90232

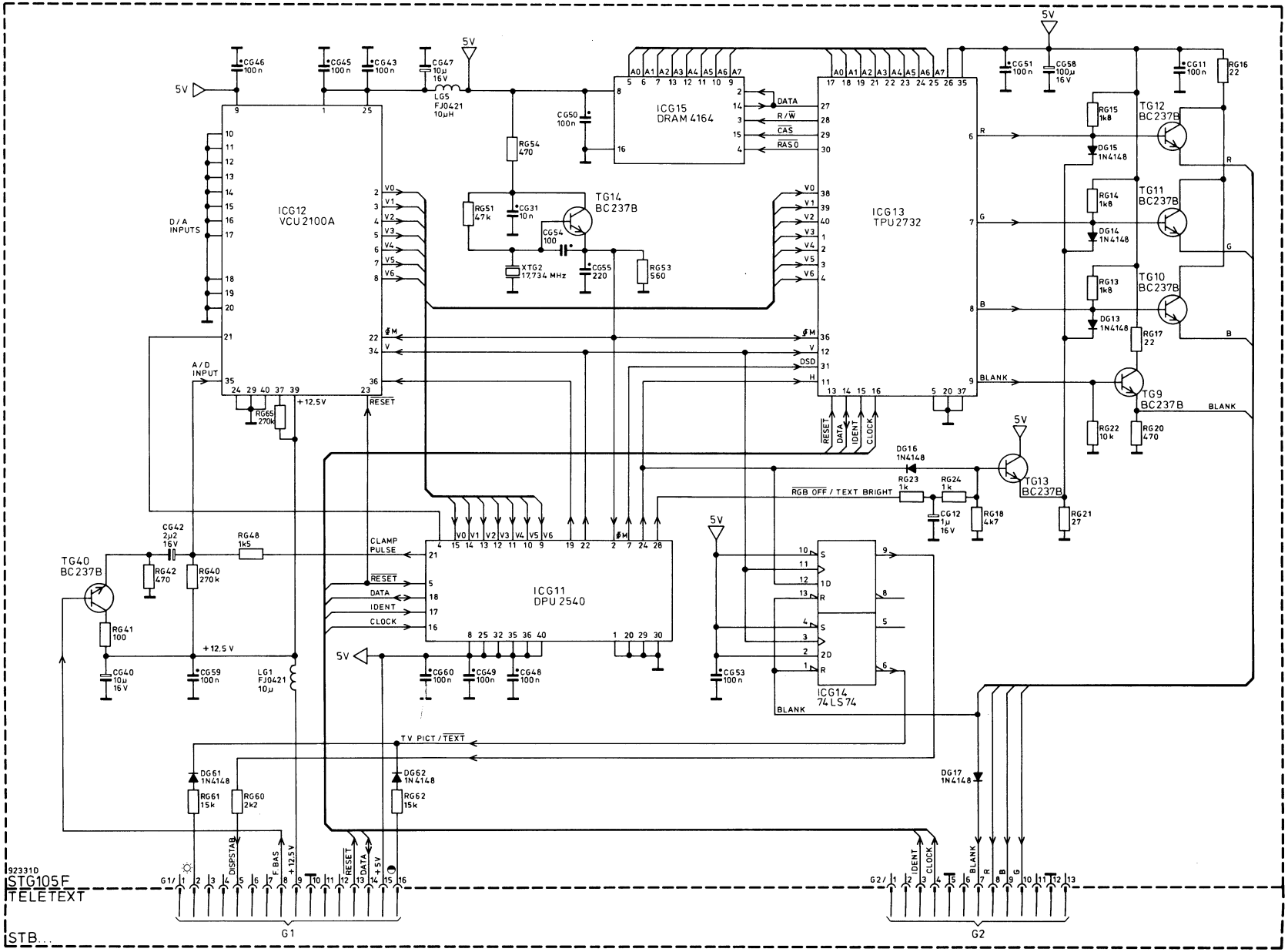
90199C



CPT ... PS

ZB8570 (A) 09.88 92326C, 92331D

HITACHI


ICG12
VCU2100A
ICG13
TPU2732
ICG15
DRAM 4164
ICG11
DPU 2540
ICG14
74LS74
TG9
BC237B
TG10
BC237B
TG11
BC237B
TG12
BC237B
TG13
BC237B
TG14
BC237B
TG40
BC237B
D/A
INPUTS
A/D
INPUT
+12.5V
RESET
DATA
IDENT
CLOCK
CLAMP
PULSE
BLANK
TV PICT / TEXT
RGB OFF / TEXT BRIGHT
XTG2
17.734 MHz
LG5
FJ0421
10µH
LG1
FJ0421
10µ
92331D
STG105F
TELETEXT
STB
G1
G2
DISPSTAB
F.BAS
+12.5V
RESET
DATA
+5V
IDENT
CLOCK
BLANK
R
B
G

CPT.... VT (TT)